

Cliffside Refiners Limited Partnership Meeting

February 18, 2021 @ 9:00 AM

Attendees:

(Cliffside) Mark M. Rodney C. Brad H.
(Downtown) Sam B. Emress B. Mark W.
(NOC) David S.
(CRLP) Nick D. Bob L. Brad B. Matt T.
Kaylyn S. Mike D. Mike C.

Roll Call

➤ Noted

Nick D.-Antitrust guidelines apply. If there are any questions, please let me know.

Any update on COVID?

Sam B.-No changes in procedures or protocol. We are being proactive about wearing masks, no changes in positive cases.

Nick D.-Matt Thomas from Linde is joining us now. Pipeline pressure down in the 800s. Everyone knows about the huge storm that we had. Next Monday we planned to take an outage for maintenance work and that is not going to happen. They aren't able to get the contractors mobilized to Amarillo. At this point we need to focus on getting the plant started anyway.

Sam B.-We have been in close contact with the utilities, they are putting us on the top of their list. If we notify them, they will give us the power to start up.

Mark M.-The plant tripped Friday morning. We were back in the pipeline in the afternoon. Saturday morning, we were back in the Kinder Morgan pipeline. We ran ok and on Sunday the booster tripped 3 times due to the weather. We tried to continue without booster. We ran on a reduced flow at about half of the usual amount and flaring the residue. Monday afternoon we tried to start the booster, it kept running, shortly after shift change the booster tripped then the cold box tripped. From that point we have been completely down. We experienced freeze up in the process lines. Our DGA solution is good till somewhere below zero but lower than that we found out that it freezes. We thawed out the DGA reflux pump. We had a problem with our fuel gas line freezing up, we kept relighting the DGA boiler over and over. It lit each time, but the fuel gas line was frozen. The heat trace finally broke that loose and the pressure shot up. At that point we had fuel to do a TSA regen we did that yesterday. This was done on bootstrap gas we sent the bootstrap gas to the flare. That cycle completed at the normal times. We have 5 wells

that still have native helium content, one is dedicated for fuel gas. Both TSA beds are refreshed and ready to go, we are looking good everywhere except the booster is between stage one and stage two.

Nick D.-So are you looking at the witch's hat?

Mark M.-Because of the constraints on getting leverage on those bolts, we rent a hydraulic torque wrench to do that with.

Rodney C.-I just got word on that; from the time we decide we need it it is three days. They keep it in Houston, we will get it here, use it and get it back to Houston. So, every time we need it it is going to be three days before we get it. So, if I need to get that coming let me know and I will get that started.

Brad B.-We can't get started until we get in it that day.

Nick D.-I think the main thing is to get the plant started up, let's not worry about the witch's hat right now. Let's not get sidetracked by something that we might be able to work around.

Sam B.-I would like Rodney to talk about all of the heat trace work that was done.

Rodney C.-Down at the meter building where the fuel gas line runs on the outside of the building, we heat traced 100 foot of that pipe and got it insulated and got it un-thawed.

Sam B.-Let's get those changes over to Brad so that it is documented.

Nick D.-What is the next step.

Sam B.-Mark is going to work on the ice plug on the witch's hat taken care of. CRLP is going to see if they can get some kind of a torque wrench.

Brad B.-I'm seeing what we can get a hold of now.

Nick D.-Mark do you need SERCO to come in and see if you can get help getting that witch's hat off. To me the logical thing is to heat it up and if it clears then it was ice. We can order the wrench too and if we don't need it then that is fine, we will send it back.

As far as the March 15th outage we will talk about that on the next call. Anything else we need to talk about that is urgent.

Ok thanks for the work Mark.

Sam B.-I will update the web page that we will not be doing the shut down at the end of February.

